The Internet

History 1962 - 1999

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1962-1969

1963   **"Dr Strangelove" portrays nuclear holocaust which new network must survive**

1965   **DoD's Advanced Research Project Agency (ARPA) begins work**

ARPANET promotes sharing of super-computers amongst researchers in U.S.

4 Universities in U.S. connected (Stanford, UCLA, UC Santa Barbara & University of Utah

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1970-1973

Network control protocol

Email quickly becomes most popular application

ARPANET goes international
University College, London and Royal Radar establishment in Norway

1974   **First commercial version of the ARPANET**
Larry Roberts founds TELNET

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1974-1981

1974   **Transmission control program (TCP)**

1976   **Queen Elizabeth II sends out an e-mail**

1979   **First USENET newsgroup established, connecting users from around the world to talk about the net, politics, & religion)**

1981   **ARPANET has 213 hosts**

1982   **The term "internet" is used**

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1982-1987

1982   TCP/IP, the common language of all internet computers, is created & becomes universal internet language

1983   Name server developed at Univ Of Wisconsin, users don't need to know exact path to other systems

NSFNET created (backbone Of 56kbps) and establishes 5 super-computing centers, net explodes with usage

1987   Number of hosts exceeds 10,000

1988   Internet worm (virus) unleashed

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1988-1990

1988   Internet worm affects 6,000 of the 60,000 hosts on the internet

Hacker, cracker, and electronic break-in terms created

Computer Emergency Response Team (CERT) is formed to address security

1989   **Hosts break 100,000**

Countries connecting to the NSFNET: Australia(AU), Germany(DE), Israel (IL), Italy (IT), Japan(JP), Mexico(MX), Netherlands(NL), New Zealand(NZ), Puerto Rico(PR), United Kingdom(UK)

History Of The Internet

1990-1993

1990   **ARPANET ceases to exist, a victim of its unplanned, unexpected success**

1991   *The world wide web is born!*

         Gopher released By Univ Of Minnesota, first point-and-click navigation tool

1992   **first audio And video (MBONE)**

         NSFNET traffic passes 1 trillion bytes/month & 10 billion packets/month

1992   **1,000,000 Hosts make Up The internet**

1993   **Mosaic released w/graphics**

History Of The Internet

1994-1998

        Internet expands at a 342,634% annual growth rate

1994   **Rolling Stones broadcast voodoo lounge tour over the MBONE**

        WWW edges out telnet as number 2 on the net (behind ftp-data)

        NSFNET reverts back to research, leaving the internet in commercial hands

1995   **Vatican launches *www.vatican.va***

        Real Audio established

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1994-1998 *continued*

Internet exceeds 10 million hosts, covers the globe

Online dial-up systems begin to provide internet service (AOL, Compuserve, etc)

Netscape releases source code for its Netscape Navigator to the public

1996   The internet has over 40,000,000

150 Countries are connected

Internet has arrived!

1994-1998 *continued*

Within 30 years, the internet has grown from a cold war concept For controlling tattered remains of a post-nuclear society to the information superhighway

Telecommuting over the internet

Doctors consult with colleagues

Schools have access to vast electronic libraries

Governments around the world are connected!